

ABSTRACT

A light emitting diode (LCD) comprised of a heat conduction substrate, a circuitry on the substrate, an insulation layer between the substrate and the circuit, multiple light emitting chips distributed in the space between the circuitry and the substrate, light emitting chips being connected to the circuitry through metallic conductor, and a light permeable protection layer being topped on those light emitting chips to significantly improve its power dissipation effect, lower light emission chip junction temperature, increase light emission efficacy and service life, increase the quantity of the light emission chip of unit area, and improve the light emission efficiency of unit area.